

r. [Fig. 1]

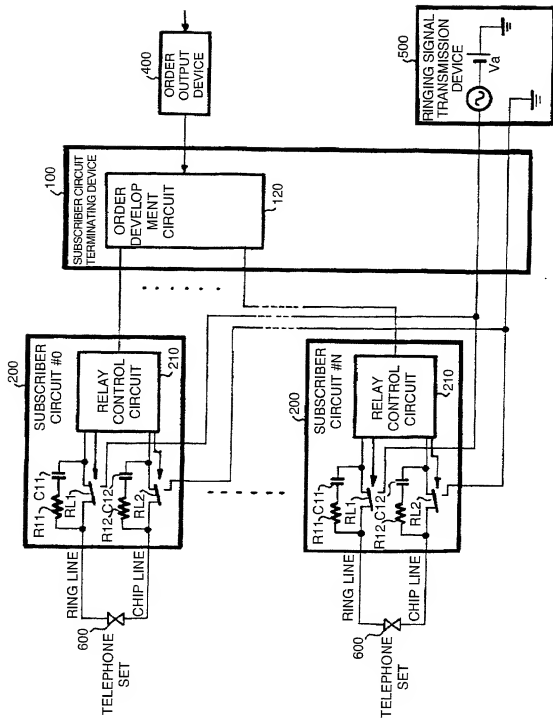
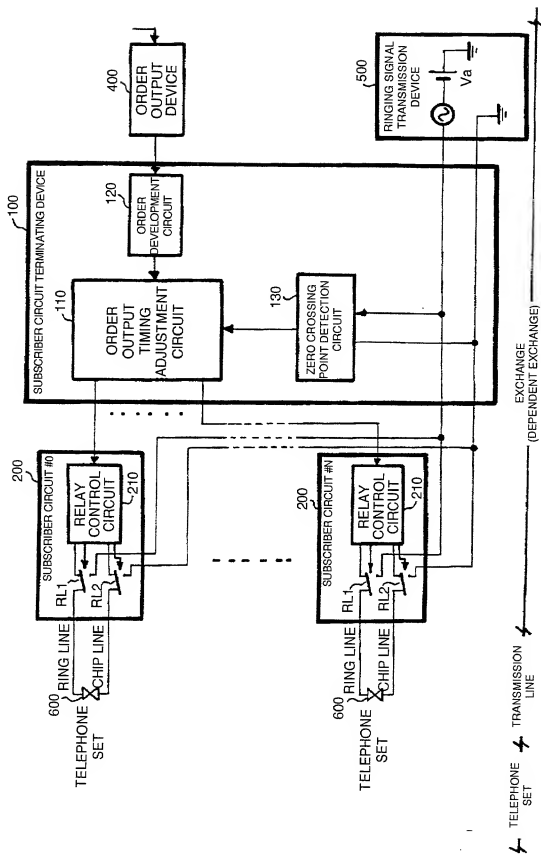


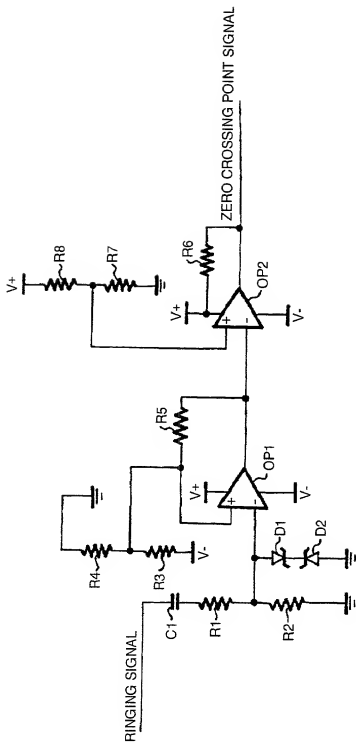
Fig. 2





r,[Fig. 4]

## ZERO CROSSING POINT DETECTION CIRCUIT



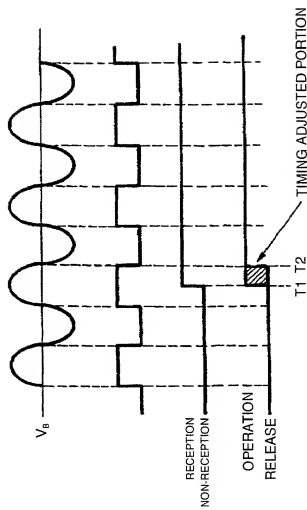
r [Fig. 5]

(a) RINGING SIGNAL

(b) ZERO CROSSING POINT  
SYNCHRONIZATION SIGNAL

(c) RINGING ORDER RECEPTION TIMING

(d) RINGING RELAY STATE



r, [Fig. 6]

